

CLAIM AMENDMENTS

1 - 17. (canceled)

1 18. (new) A mine-detonation-resistant understructure
2 for a vehicle body, the understructure comprising:
3 a generally horizontal floor;
4 a downwardly concave one-piece armoring plate mounted on
5 the body underneath the floor without a direct connection to the
6 floor, concave toward and facing the ground, and spaced below the
7 floor by a distance sufficient to avoid contact with the floor upon
8 buckling of the plate caused by a mine blase underneath the plate,
9 the bottom plate being formed with at least one longitudinally
10 extending bending edge; and
11 a deformation free space formed between the plate and the
12 floor of a height sufficient to permit inward buckling of the plate
13 under a mine detonation without contact of the plate with the floor
14 and substantially free of any force-transmitting structure engaging
15 the floor and plate.

1 19. (new) The mine-detonation resistant understructure
2 defined in claim 1 wherein the floor is formed at least in part of
3 a material having fragment-trapping properties.

1 20. (new) The mine-detonation resistant understructure
2 defined in claim 19 wherein the floor is provided with a fragment

3 trapping carpet of a flexible high strength material to prevent
4 incursion fragments into an interior of the body.

1 21. (new) The mine-detonation resistant understructure
2 defined in claim 20 wherein the carpet is composed of a plurality
3 of layers of an aramide fabric.

1 22. (new) The mine-detonation resistant understructure
2 defined in claim 20 wherein the carpet is secured to the floor only
3 at edge regions thereof.

1 23. (new) The mine-detonation resistant understructure
2 defined in claim 19 wherein the floor is provided with a slip-
3 resistant material along an upper surface thereof.

1 24. (new) The mine-detonation resistant understructure
2 defined in claim 23 wherein the slip-resistant material is a rubber
3 layer.

1 25. (new) The mine-detonation resistant understructure
2 defined in claim 18 wherein the floor is mounted in the body so as
3 to be easily dismountable.

1 26. (new) The mine-detonation resistant understructure
2 defined in claim 25 wherein the floor is attached to side walls of
3 the body by screws.

1 27. (new) The mine-detonation resistant understructure
2 defined in claim 18, further comprising modular armor plate
3 elements mounted along an underside of the plate.

1 28. (new) The mine-detonation resistant understructure
2 defined in claim 27 wherein guide rails are provided along edges of
3 the plate to receive the modular armoring plate elements.

1 29. (new) The mine-detonation resistant understructure
2 defined in claim 28, further comprising connecting strips in the
3 form of rails between individual modular armor plate elements.

1 30. (new) A mine-detonation-resistant understructure
2 for a vehicle body, the understructure comprising:

3 a main armoring plate bent inward into the body, mounted
4 on the body in juxtaposition with the ground and formed in a
5 longitudinal direction of the vehicle with at least one bending
6 edge;

7 a floor spaced above the main plate and mounted on the
8 body without a direct connection with the main plate;

9 a deformation free space formed between the main plate
10 and the floor of a height sufficient to permit inward buckling of
11 the main plate under a mine detonation without contact of the main
12 plate with the floor;

13 modular armor plates mounted along an underside of the
14 main plate;
15 guide rails being provided along edges of the main plate
16 to receive the modular armoring plates;
17 connecting strips in the form of rails between individual
18 modular armor plates; and
19 pins engaging into edge regions of the armor plates and
20 into the connecting strips and the guide rails.

1 31. (new) The mine-detonation resistant understructure
2 defined in claim 30 wherein the armor plates and the strips and
3 rails have aligned holes to receive the pins.

1 32. (new) The mine-detonation resistant understructure
2 defined in claim 31 wherein at least some of the pins are screws
3 threaded into the distal sides of the guide rails and connecting
4 strips.

1 33. (new) The mine-detonation resistant understructure
2 defined in claim 31 wherein the pins are composed of high strength
3 material.

1 34. (new) The mine-detonation resistant understructure
2 defined in claim 31 wherein the pins are fixed by screw thread
3 devices in holes in the armor plates, the strips or the rails.